Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/25/2022 09:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124575	-1	1.42	124523	1.40
Blue	F	SSC	125000	123038	-2	2.77	123594	2.57
Blue	E	FITC	13602	13140	-4	2.34	368	13.32
Blue	D	PE	24891	24343	-3	1.75	578	10.33
Blue	B	PerCP-Cy5-5	33972	33084	-3	3.03	942	15.17
Blue	A	PE-Cy7	22865	22570	-2	4.96	467	31.93
Red	C	APC	47198	46791	-1	2.63	1617	11.34
Red	A	APC-Cy7	26454	25726	-3	2.99	726	12.13
Violet	B	V450	6737	6418	-5	3.71	447	11.48
Violet	A	V500	29317	28097	-5	3.26	962	8.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24089	2.43	566	31	N/A	N/A	Pass
Blue	F	SSC	55254	2.06	521	0	N/A	N/A	Pass
Blue	E	FITC	56	53.22	489	5	0.0447	100	Pass
Blue	D	PE	112	38.02	492	6	0.4098	282	Pass
Blue	B	PerCP-Cy5-5	149	42.77	586	7	0.0193	100	Pass
Blue	A	PE-Cy7	77	82.37	629	8	0.0203	0	Pass
Red	C	APC	338	26.04	573	1	0.0293	234	Pass
Red	A	APC-Cy7	135	34.42	550	-1	0.0066	1364	Pass
Violet	B	V450	76	46.71	446	-4	0.0558	2216	Pass
Violet	A	V500	113	31.57	466	-3	0.0271	1076	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.91	-31.65	1.05
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.44
Red	15.95	13.90 - 20.86	N/A	N/A	29.93	30.18	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10868

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments